

- [54] **DISPLAY DEVICE UTILIZING A PLURALITY OF NCAP LIQUID CRYSTAL MODULES**
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3,962,700	6/1976	Criscimagna	340/758
4,015,422	4/1977	Van Haften	340/815.2
4,156,833	5/1979	Wey et al.	340/781
4,410,887	10/1983	Stolov et al.	350/344
4,413,257	11/1983	Kraemer et al.	350/343
4,435,047	3/1984	Fergasen	350/334
4,449,123	5/1984	Muranaga	340/784
4,468,659	8/1984	Ohba et al.	340/781
4,549,174	10/1985	Funada et al.	340/815.2

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Related U.S. Application Data

- [63] Continuation of Ser. No. 102,825, Sep. 23, 1987, abandoned, which is a continuation of Ser. No. 620,376, Jun. 12, 1984, abandoned.
- [51] Int. Cl.⁴ **G09G 3/36**
- [52] U.S. Cl. **340/784; 340/719; 340/765; 350/343; 350/344; 350/334**
- [58] **Field of Search** 340/718, 719, 765, 784; 350/334, 343, 344; 368/226, 227, 240, 242; 358/230, 250, 251

[57] **ABSTRACT**

A liquid crystal display comprising a plurality of modules wherein each module includes a nematic curvilinearly aligned phases liquid crystal material. The modules are positioned adjacent to one another to effect a homogeneous display. Each module may include electrode means supported on a substrate. The substrate may include a flexible extension thereof on which conductive paths may be formed. The extension of the substrate is sufficiently flexible to permit the interconnection of the electrode means via the conductive paths to a circuit means for applying an electric field to the electrodes.

References Cited

U.S. PATENT DOCUMENTS

3,578,844	5/1971	Churchill	350/160
3,600,061	8/1971	Heilmeyer et al.	350/334

24 Claims, 4 Drawing Sheets

